

Title (en)

Method of manufacturing hinge devices and hinge devices obtained thereby.

Title (de)

Herstellungsverfahren eines Scharniers und dadurch erzeugte Scharniere.

Title (fr)

Méthode de fabrication de charnières et charnières ainsi obtenues.

Publication

EP 0196599 A1 19861008 (EN)

Application

EP 86104071 A 19860325

Priority

IT 4154185 A 19850405

Abstract (en)

The method comprises a first process step consisting of shearing a cylindrical drawn segment on which there is carried out a cold impact extrusion by means of a punch. In that step the material flows laterally up to form a constant pattern hollow body (9) having at least one open end, on the other end (8) there being formed a solid pin (11) and a second open cavity of a smaller size. On each hollow body there are then carried out successive upsetting at the open end, adapted to impart the same with an undulated conformation. That end is then upturned and blocked.

IPC 1-7

B21K 13/02; **E05D 5/10**

IPC 8 full level

B21K 13/02 (2006.01); **E05D 5/10** (2006.01)

CPC (source: EP)

B21K 13/02 (2013.01); **E05D 5/10** (2013.01); **E05D 2005/102** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

CH DE FR LI

DOCDB simple family (publication)

EP 0196599 A1 19861008; **EP 0196599 B1 19910403**; DE 3678474 D1 19910508; ES 293367 U 19860801; ES 293367 Y 19870416; IT 1188517 B 19880114; IT 8541541 A0 19850405

DOCDB simple family (application)

EP 86104071 A 19860325; DE 3678474 T 19860325; ES 293367 U 19860404; IT 4154185 A 19850405